

MDS-B-SPJ2-55

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-b-spj2-55
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.44 kgs
Voltage	AC
Product Type	Drive
Signal Type	230
Signal Level	230 V
Relay Specifications	230 VAC
Power	5.5
Cooling Capacity	5.5

Description

The Mitsubishi MDS-B-SPJ2-55 is a high-performance AC spindle drive unit designed for precision control in industrial applications. Operating on a 3-phase AC power supply of 200V to 230V at 50/60Hz, it delivers a rated output of 5.5 kW, ensuring robust performance for demanding tasks. The drive unit offers a speed adjustment range from 35 to 10,000 revolutions per minute (r/min), providing versatility across various operational scenarios. It employs a regenerative braking system with resistance discharge, enhancing energy efficiency and operational reliability. The MDS-B-SPJ2-55 is engineered to function within an ambient temperature range of 0°C to 55°C, suitable for diverse industrial environments. Its compact dimensions—250 mm in height, 130 mm in width, and 200 mm in depth—facilitate easy integration into existing systems. The drive unit is equipped with protective features, including overcurrent, overvoltage, overload, undervoltage, overheat, and overspeed protections, ensuring safe and reliable operation. Additionally, it supports HDLC high-speed serial communication for seamless integration with control systems. This spindle drive unit is ideal for applications requiring precise speed control and reliable performance, such as CNC machinery and other automated systems.